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## MILWAUKEE COUNTY EMS PRACTICAL SKILL 12-LEAD ELECTROCARDIOGRAM

Approved by:	Ronald Pirrallo, MD, MHSA
Signature:	
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Purpose:	Indications:				
To obtain and transmit a diagnostic quality 12-lead electrocardiogram	Any patient experiencing symptoms of possible cardiac origin: chest pain; difficulty breathing; syncope; CHF; arrhythmia; palpitations; unexplained weakness, diaphoresis, or altered mental status; unexplained nausea in patients over 40; consider in patients with other complaints along with significant history of cardiac disease				
Advantages:		Disadvantages:	Complications:	Contraindications:	
Provides electrical view of all areas of the myocardium; Enables receiving hospital notification of STEMI arrival		None	None	None	

Place electrodes on patient as follows:

- V1 4th intercostal space, right sternal border
- V2 4th intercostal space, left sternal border
- V3 Midway between V2 and V4
- V4 Mid clavicular line, fifth intercostal space
- V5 Lateral to V4 at the anterior axillary line
- V6 Lateral to V5 at the midaxillary line
- RA Right arm or shoulder (anywhere)
- LA Left arm or shoulder (anywhere)
- RL Right leg or right lower abdomen (anywhere)
- LL Left leg or left lower abdomen (anywhere)

Enter case # and at least patient's initials

Enter ACI-TIPI Information as prompted:
Patient age; patient's heart rate; chest pain (primary, secondary other, or none); time since onset; history of diabetes (yes or no); gender; blood pressure and history of hypertension (yes or no)

Instruct patient to lie quietly while machine collects date

Press "Acquire" softkey to acquire ECG (one copy will automatically print out)

Connect Rosetta and radio or telephone

Request frequency to send 12-lead via radio

## NOTES:

- Obtain the 12 lead at the earliest opportunity; standard is within 10 minutes.
- Do not delay administration of nitroglycerin to obtain a 12-lead ECG.

Transmit